HP Compaq nx8420 Notebook PC

AT A GLANCE

BLAZING GRAPHICS WITH VISUAL CLARITY Discrete ATI graphics with 256 MB of video memory

DESKTOP-LIKE VIEW FOR DEMANDING APPLICATIONS 15.4-inch widescreen display

BACKUP, ARCHIVE AND LABEL DATA EASILY optional LightScribe DVD+/–RW optical drives

GREATER PRODUCTIVITY AND ENHANCED MULTITASKING Intel® Core™ Duo processors

STAY CONNECTED WHEREVER YOU NEED TO WORK Gigabit Ethernet, Wireless Adapter and Bluetooth 2.0

LIGHT-WEIGHT, COMPACT AND STURDY Starting at 2.7 kg and as thin as 28 mm, built with magnesium alloy frame and display enclosure

HP FAST CHARGE TECHNOLOGY Charge the primary battery up to 90% in 90 minutes

WITHSTAND RIGOROUS MOBILE USER ENVIRONMENTS Combination of reinforced composite material and in-mold laminate

KEEP CRITICAL DATA SAFE Through HP ProtectTools suite of security solutions including an integrated smart card reader, TPM Embedded Security Chip v1.2 and an optional biometric fingerprint sensor

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HP recommends Microsoft® Windows® XP Professional

Processor[1]	Intel® Core™ Duo Processor T2600* (2.16-GHz, 667-MHz FSB, 2-MB L2 cache) Intel® Core™ Duo Processor T2500* (2.0-GHz, 667-MHz FSB, 2-MB L2 cache) Intel® Core™ Duo Processor T2400* (1.83-GHz, 667-MHz FSB, 2-MB L2 cache) Intel® Core™ Duo Processor T2300* (1.67-GHz, 667-MHz FSB, 2-MB L2 cache) *Intel's processor numbering is not a direct measurement of performance	
Operating system	**Preinstalled** Genuine Microsoft® Windows® XP Professional Edition Genuine Microsoft® Windows® XP Home Edition (select countries only)	**Supported** Genuine Microsoft® Windows® 2000 (drivers downloadable from http://www.hp.com)
Chipset	Mobile Intel 945PM Express Chipset with 667-MHz FSB	
Memory	DDR2 SDRAM, 533 or 667-MHz, two SODIMM slots supporting dual channel memory[2], 256/512/1024/2048-MB upgradable to 4096-MB maximum[3]	
Hard drive(s)[4]	SATA hard drives: 60/80/100-GB 5400 rpm, 80/100-GB 7200 rpm	
Removable media	12.7-mm optical drives: LightScribe[5] DVD+/–RW with Double Layer[6], DVD+/–RW SuperMulti[7] with Double Layer[6], 24X DVD/CDRW Combo, 8x DVD-ROM	
Display	15.4-inch WXGA (1280 x 800 resolution and 16 M colours), 15.4-inch WSXGA+ wide-viewing angle (1680 x 1050 resolution and 16 M colours), 15.4-inch WUXGA wide-viewing angle (1920 x 1200 resolution and 16 M colours), ambient light sensor	
Graphics	ATI Mobility Radeon X1600 with 256 MB of dedicated video memory	
Audio	PremierSound High Definition Audio support w/24-bit audio DAC, Digital EQ, Advanced audio power management, line out/headphone jack, microphone jack, integrated microphone	
Wireless[8] support	Intel® PRO/Wireless 3945ABG Network Connection[9], Intel® PRO/Wireless 3945BG Network Connection[10], Broadcom 4311AG 802.11a/b/g WiFi Adapter[9], Broadcom 4311BG 802.11b/g WiFi Adapter, Bluetooth™ 2.0	
Communications	Broadcom NetXtreme Gigabit Ethernet PCI Express Controller[11] (10/100/1000 NIC), 56 K v.92 modem, HP Smart Power NIC technology	
Expansion slots	1 Type I/II PC Card slot supports 32-bit CardBus and 16-bit cards, integrated Smart Card Reader, Secure Digital slot	
Ports and connectors	3 USB 2.0, VGA, audio in/out, power connector, RJ-11, RJ-45, S-video TV out, 1394a, docking connector, accessory battery connector	
Input devices	Full-sized keyboard; or Touchpad only with two pick buttons; both with scroll zone	
Software	**Operating system updates:** **Applications and utilities:** **Security and recovery:** **Applications:**	Microsoft® Windows® Media Player 10; Microsoft® .NET Framework 1.1 HP Wireless Assistant—select models; HP Mobile Printing Driver for Windows® HP Backup and Recovery Manager; Norton Internet Security; HP ProtectTools Security Manager Sonic Digital Media Plus—select models Intervideo WinDVD 5—select models
Security	HP ProtectTools Security Manager, HP Drivelock, integrated Smart Card Reader, optional HP Biometric Fingerprint Sensor[12], TPM Embedded Security Chip v1.2, Kensington lock slot	
Dimensions (h x w x d)	28 mm (at front) x 358 mm x 259 mm (1.1 inches (at front) x 14.1 inches x 10.2 inches)	
Weight	Starting at 2.7 kg/5.95 lb	
Power	8-cell (69 WHr) Lithium-Ion battery, optional HP 8-cell (52 WHr) Extended Life Battery, 90W HP Smart AC Adapter[13], HP Fast Charge Technology[14]	
Expansion solutions[13]	HP Docking Station; HP Advanced Docking Station; HP External MultiBay II; HP Monitor Stands	
Warranty	One-year standard parts and labour limited warranty, depending on country (upgrades available[13]), one-year limited warranty on primary battery	

[1] Dual Core is a new technology designed to improve performance of certain software products. Check with software provider to determine suitability. Not all customers or software applications will necessarily benefit from use of this technology.
[2] Dual Channel is only supported when the system is configured with DDR2 symmetric memory (i.e. 2 x 256).
[3] Above 3 GB, all memory may not be available due to system resource requirements.
[4] For hard drives, GB = 1 billion bytes. Actual formatted capacity is less. Up to 8 GB of memory is reserved for system recovery software.
[5] LightScribe creates a grayscale image similar to black and white photography. LightScribe media required and sold separately.
[6] Double Layer discs can store more data than single layer discs. However, double-layer discs burned with this drive may not be compatible with many existing single-layer DVD drives and players.
[7] Note that DVD-RAM cannot read or write to 2.6 GB Single Sided/5.2 GB Double Sided—Version 1.0 media.
[8] Wireless access point required and is not included. Availability of public wireless access points limited. Wireless Internet use requires separately purchased Internet service contract.
[9] Not available in Thailand.
[10] Only available in Thailand.
[11] The term "10/100/1000" or "Gigabit" Ethernet indicates compliance with IEEE standard 802.3ab for Gigabit Ethernet, and does not connote actual operating speed of 1 Gb/sec. For high speed transmission,connection to a Gigabit Ethernet server and network infrastructure is required.
[12] Sold separately or as an optional feature.
[13] The new HP Smart A/C Adapters will not be backwards compatible to prior generation notebooks. Older HP adapters will not be forward compatible to the 2006 HP Business Notebooks.
[14] Fast Charge Technology recharges your battery up to 90% within 90 minutes when the system is off. Fast Charge Technology does not apply to 9 cell primary and 12 cell Ultra Capacity batteries.

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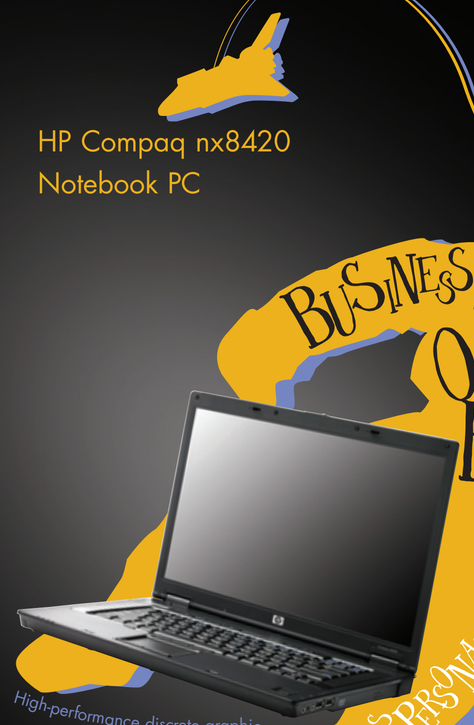


BUSINESS POWER IN THE OFFICE AND BEYOND

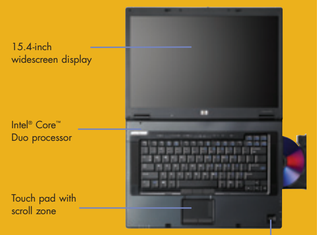
THE COMPUTER IS PERSONAL AGAIN

High-performance discrete graphics, Intel® Core™ Duo processors and 15.4-inch widescreen display

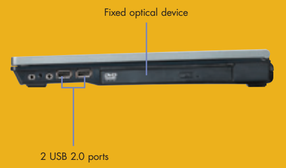
GO POWERFUL

Created for power users, the HP Compaq nx8420 Notebook PC provides powerful graphics performance in a highly mobile 15.4-inch widescreen display.

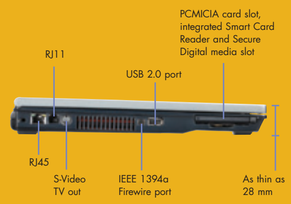
Key features


15.4-inch widescreen display
Intel® Core™ Duo processor
Touch pad with scroll zone
HP Biometric Fingerprint Sensor (optional)

Right view



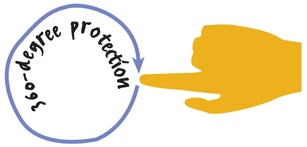
Left view


PCMCIA card slot, integrated Smart Card Reader and Secure Digital media slot
RJ11
USB 2.0 port
RJ45
S-Video TV out
IEEE 1394a Firewire port
As thin as 28 mm

Front view

HP Compaq nx8420 Notebook PC.
DESIGNED WITH 360-DEGREE PROTECTION.

From sturdiness to security to stretching productivity, HP ensures you enjoy more peace of mind wherever you go



PHYSICAL PROTECTION

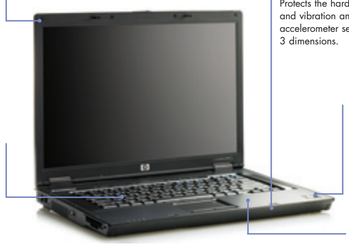
HP PANEL PROTECTION The HP Panel Protection System helps prevent scratches and scuffs that may occur on the panel when the notebook is packed too tightly in a carrying case

SPILL-RESISTANT KEYBOARD Mylar film reduces risk of liquid damage

HP MOBILE DATA PROTECTION SYSTEM 3D Protects the hard drive from jolts and vibration an intelligent digital accelerometer sensor working in 3 dimensions.

MAGNESIUM ALLOY FRAME AND DISPLAY ENCLOSURE Strong but lightweight material handles everyday knocks

IN-MOLD LAMINATION Scratch-resistant covering keeps notebook looking new, for longer



DATA PROTECTION

HP PROTECTTOOLS SOLUTION Extensible easy-to-use software, firmware and security devices

HP ENHANCED DRIVELOCK TCHNOLOGY Prevents hard drive data theft even if it's removed

BIOMETERIC FINGERPRINT SENSOR (OPTIONAL) Your fingerprint becomes an unbreakable, unforgettable password

SMARTCARD SECURITY An added layer of protection that complements user passwords

TPM EMBEDDED SECURITY CHIP v1.2 for extra built-in security and encryption

INVESTMENT PROTECTION

COMMONALITY OF ACCESSORIES Easily share most accessories across the HP notebook range.

STABLE LIFECYCLE Software and hardware components that don't change for up to 18 months with common BIOS/image, thereby reducing TCO.

GLOBAL AVAILABILITY HP's global presence make purchases, upgrades or replacements faster, easier and more convenient.

Get the most out of your HP Compaq nx8420 Notebook PC with these accessories!

DOCKING STATIONS

HP Docking Station
Part Number: PA286A

- Desk convenience with full port replication capability in a space-saving design. (AC adapter included)
- Easy docking system provides port replication and cable management in one product. 4 USB 2.0 ports, DVI and S-Video, Gigabit Ethernet and legacy ports.
- Optional integrated HP/Kensington Cable Lock allows you to secure your docking station and computer with one lock.

HP Advanced Docking Station
Part Number: PA287A

- Robust desktop replacement solution for your mobile office with advanced features like 6 USB ports, integrated MultiBay II and ExpressCard slot. (AC adapter included)
- Easy docking system provides port replication and cable management in one product. 6 USB 2.0 ports, DVI and S-Video, Gigabit Ethernet and legacy ports.
- Optional integrated HP/Kensington Cable Lock allows you to secure your docking station, notebook and integrated MultiBay II with one lock.

MONITOR STANDS

HP Adjustable Notebook Stand
Part Number: PA508A

- Notebook stand with one-hand adjustability eliminates the need for an external monitor.
- Adaptable design lets you connect either the HP Docking Station or the HP Advanced Docking Station.
- Unique design raises your computer screen to an adjustable comfortable eye level.
- Simple cable management channels on the back of the stand unclutter your desktop when connecting multiple devices.

HP Monitor Stand
Part Number: PA507A

- Compact design with support for up to 21-inch monitor (up to 45.5 kg).
- Convenient power button and light, AC power light, dock light and MultiBay II light (Advanced Docking Station only) on the stand replaces controls on the docking station.
- Open-sided design allows easy access to frequently used bays, slots and ports on the docking station.

POWER, STORAGE & SECURITY

HP Extended Life Battery (8-cell)
Part Number: PB993A

HP Ultra Capacity Battery (12-cell)
Part Number: EJ092AA

- Double or triple total battery life using either the 8-cell or 12-cell battery respectively.
- Ideal for mobile users who are constantly on the road.
- Supports computer docking with the 8-cell battery attached.

HP External MultiBay II
Part Number: PA509A

- Compact optical drive or hard drive storage solution.
- Perfect companion device for all notebooks to support extra storage drives.
- Supports horizontal or vertical orientation.

HP/Kensington Cable Lock
Part Number: PC766A

- Can be used as a regular cable lock or as part of the docking station.
- Helps secure your docking station,computer and integrated MultiBay II drive when used with the HP Advanced Docking Station.